

# **SDMS US EPA REGION V -1**

**SOME IMAGES WITHIN THIS  
DOCUMENT MAY BE ILLEGIBLE  
DUE TO BAD SOURCE  
DOCUMENTS.**

158686

# Monsanto

COMPANY

Sauget, Illinois 62201  
(618) 271-5835

August 23, 1968

Mr. C. W. Klassen, Technical Secretary  
Ill. Dept. of Public Health  
Division of Sanitary Engineering  
Room 610, State Office Building  
Springfield, Illinois 62706

Dear Mr. Klassen:

We wish to apply for permission to use a portion of our property as a sanitary landfill. The reason for this application is that we can foresee occasions when disposal of trash through our usual channels may be temporarily suspended. This affects our operations both here at Sauget and at 1700 South Second Street, St. Louis, Missouri. While we hope that we will not need to use the site, it is better to be prepared now than to request approval at short notice if the need arises. This proposal was discussed with Messrs. M. E. Gish, R. L. Schleuger and R. A. Eisenkoff on the site. Following their recommendation we enclose the legal description of the site, details of the well which supplies American Zinc Company, and other information as described in Article IV of the Rules and Regulations for refuse disposal sites.

We understand that a Geological Survey of the site is required and that you arrange for this to be done. Please let us know what further action will be needed to gain approval for use of this site as a Sanitary Landfill.

Yours truly,

*C.F. Buckley*

C.F. Buckley, Technical Services Dept.  
Engineering Specialist-Pollution Control

*W. L. Watson*

W. L. Watson, General Superintendent  
Distribution, Services & Yard Dept.

The proposed site is located as described on Attachment I and is securely fenced on the North, East, and the West Side. Access to the site is from the South through the North Manufacturing area of Monsanto Companies W. O. Krumrich Plant. Entrance to this part of the plant is controlled by the Plant guard force. The railroad to the North is controlled by gates which are locked when not in use. The area is practically level and presently contains some standing water which is the result of a sewer problem which is being corrected. If it becomes necessary to use the site as a landfill before the sewer work is completed, diking or other action will be taken to keep the site dry. The #10 well on the site supplies the American Zinc company with process and cooling water i.e. all industrial use. It is 104 feet deep; has no laterals and supplies around 1000 gpm with a maximum of 1500 gpm under the best conditions.

Monsanto personnel will perform all operations in this area and are provided with all necessary facilities -- Showers, lockers, Cafeteria, Dispensary etc. The decision to trench or area fill will depend on the results of the Geological Survey.

September 11, 1968

**ST. CLAIR COUNTY - Solid Waste Disposal  
Sauget/Monsanto Company (Proposed)**

Mr. C. F. Buckley  
Engineering Specialist  
Pollution Control  
Technical Services Department  
Monsanto Company  
Sauget, Illinois 62201

Dear Mr. Buckley:

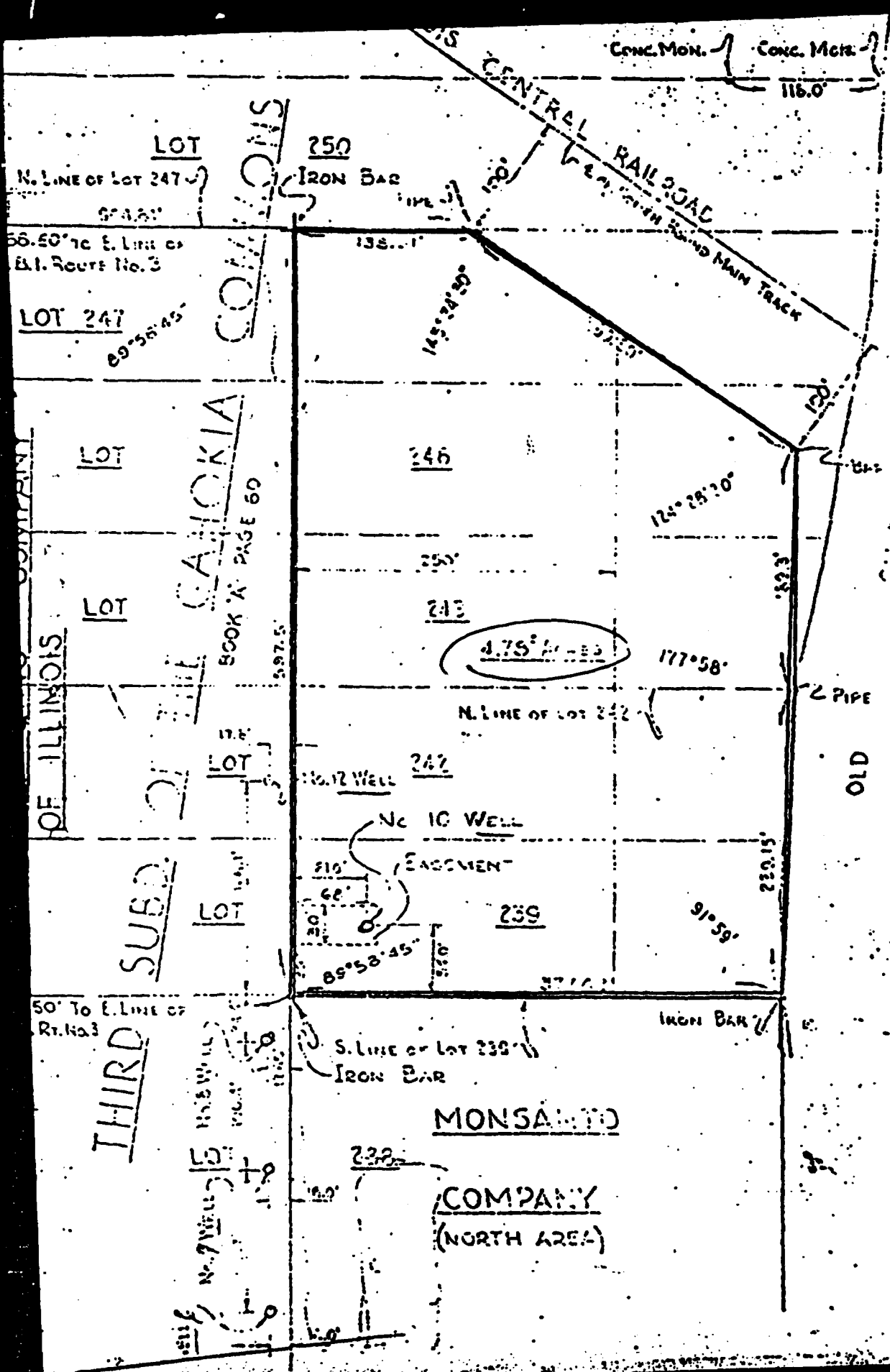
The Monsanto Company's request for approval of a proposed solid waste disposal site consisting of 4.78 acres, legally described as The Third Subdivision of the Calhoun Commons, Lots 232, 242, 243, 246, and 247, St. Clair County, cannot be approved due to the unfavorable geological formations in this area. This denial is based upon the deep cone of depression formed by the high rate of ground water pumpage and the high permeability of the overburden covering the aquifer in this area.

If you wish to consider a different location or if further clarification regarding this matter is needed, please advise accordingly.

Very truly yours,

C. W. Klasen  
Chief Sanitary Engineer

*W. L. Watson*  
cc/c/- Region VI  
- W. L. Watson, Gen. Superintendent  
Monsanto Company, Sauguet, Illinois  
- Sanitary Water Board



N  
SCALE 1" = 100'

LOT  
N. LINE OF LOT 247  
56.50' to E. Line of  
E.I. Route No. 3

LOT 247  
89°55'45"

LOT  
BOOK A PAGE 60

LOT  
597.5

LOT  
12.12 WELL

LOT  
N. 10' WELL  
EASEMENT

LOT  
50' To E. Line of  
Rt. No. 3

LOT  
N. 10' WELL

250  
IRON BAR

246

247

4.75' EASEMENT

N. LINE OF LOT 242

247

N. 10' WELL

EASEMENT

239

89°55'45"

S. LINE OF LOT 238  
IRON BAR

MONSANTO

COMPANY  
(NORTH AREA)

232

CONE. MON. } CONE. MCH.  
116.0'

CENTRAL RAILROAD  
E.I. ROUTE NO. 3  
MAIN TRACK

OLD

2 PIPE

IRON BAR

0458

file

**Monsanto**  
COMPANY

Saugat, Illinois 62201  
TELE 271-5835  
August 16, 1968

Mr. C. W. Klassen  
Technical Secretary  
State of Illinois Sanitary Water Board  
Springfield, Illinois 62706

Dear Mr. Klassen:

In reply to your letter of August 7, 1968, I have the following information which you need to set up a monitoring program for our industrial waste disposal site.

In general we deposit at this site those wastes which would add to the sludge load at the waste treatment plant or would dissolve in our wastewater and add to the phenol content, C.O.D. or color of the final effluent. Chemically, they fall into 6 main groups:

1. Phenols
2. Aromatic Nitro Compounds
3. Aromatic Amines and Nitro Amines (highly colored)
4. Chlorinated aromatic hydrocarbons
5. Aromatic and aliphatic Carboxylic acids
6. Condensation or reaction products of the above

A more detailed list of sources and quantities follows:

1. Still Residues - tars, condensation and decomposition products of doubtful composition but with some of the primary product remaining.

From the Distillation of:

Approx. Annual Amount

a. Phenol	1,020 Cu. yds.
b. Chlorophenol	720 Cu. yds.
c. Nitro-Aniline and similar compounds	1,700 Cu. yds.
d. Chlorobenzol (Tri-Tetrachlor)	130 Cu. yds.
e. Chloro aniline	1,100 Cu. yds.
f. Other aniline derivatives	200 Cu. yds.
g. Nitro benzene derivatives	100 Cu. yds.
h. Aromatic carboxylic acids (Maleic, Phthalic, etc.)	1,500 Cu. yds.
i. Chlorophenol Ether	350 Cu. yds.

## 2. By-Products -

- ### 3. Contaminated Water and Acids -

- #### 4. Waste Solvents -

- ### 5. Filter Sludge -

6. Unwanted Samples and Waste resulting from taking samples -

- |                                    |              |
|------------------------------------|--------------|
| a. Chlorophenols                   | 72 Cu. yds.  |
| b. Laboratory Samples (Everything) | 208 Cu. yds. |

August 16, 1968

7. Miscellaneous Wastes -

These consist of spoiled material, floor sweepings, sludge from cleaning equipment and storage tanks etc which would cause problems if sewered. They are mostly reaction products of the above materials eg Esters of phenols or aliphatic alcohols with carboxylic acids such as phthallic, Maleic, or Benzoic acid, Anilides, Sulphonated phenols or other aromatics.

The relative quantities of these materials will necessarily vary according to sales of particular products and there will be additions to and deletions from this list. However, the general chemical classification will remain much the same.

Please let me know if you need any additional information.

Very truly yours,

J. R. McClain  
Plant Manager

Jo.